

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Michael R. Slater et al.

VECTORS FOR DIRECTIONAL CLONING

Docket No.:

341.030US1

Serial No.: 10/702,228

Filed:

November 5, 2003

Due Date: N/A

Examiner:

Unknown

Group Art Unit: 1653

-MS Amendment

· Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

A return postcard.

A Communication Concerning Related Applications (1 pg.).

An Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 19 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

Reg. No. 39,665

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 12THday of April, 2005.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

10/702,228 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Michael R. Slater et al.

Examiner: Unknown

Serial No.:

10/702,228

Group Art Unit: 1653

Filed:

November 5, 2003

Docket: 341.030US1

Title:

VECTORS FOR DIRECTIONAL CLONING

COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

Serial/Patent No. 10/678,961	Filing Date October 3, 2003	Attorney Docket 341.023US1	Title VECTORS FOR DIRECTIONAL CLONING
10/987,411	November 12, 2004	341.023US2	VECTORS FOR DIRECTIONAL CLONING

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicant requests that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted, MICHAEL R. SLATER ET AL.

By Applicants' Representatives, SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. Box 2938 Minneapolis, MN 55402

(612) 373-6959

Date <u>ADN 7, 2015</u>

Janet E. Embretsor

Reg. No./39,665

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 127H day of April, 2005.

Name NAWXSIK

Signature





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Michael R. Slater et al.

Examiner:

Unknown

Serial No.:

10/702,228

Group Art Unit:

1653

Filed:

November 05, 2003

Docket:

341.030US1

Title:

VECTORS FOR DIRECTIONAL CLONING

INFORMATION DISCLOSURE STATEMENT

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No:10/702,228

Filing Date: November 05, 2003

Title: VECTORS FOR DIRECTIONAL CLONING



Page 2 Dkt: 341.030US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's belowsigned representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

MICHAEL R. SLATER ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. Box 2938 Minneapolis, MN 55402 (612) 373-6959

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 17 Thday of April, 2005.

PTO/SB/084(10.01)
Approved for use through 10/31/2002. OMB 951-0031
US Patent & Trademark Office, U.S. DEPARTMENT OF COMMERCE
der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. for form 1449A/PTO Complete if Known RMATION DISCLOSURE **Application Number** 10/702,228 ATEMENT BY APPLICANT November 5, 2003 (Use as many sheets as necessary) **Filing Date** Slater, Michael **First Named Inventor Group Art Unit** 1653 **Examiner Name** Unknown Attorney Docket No: 341.030US1 Sheet 1 of 2

	US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate	
	US- 2002/0019049 A1	02/14/2002	Lok, S.	04/25/2001	
	US- 2002/0106797 A1	08/08/2002	Miles, D. J., et al.	03/12/2001	
	US- 2003/0162249 A1	08/28/2003	Gray, J., et al.	02/13/2002	
	US-4,403,036	09/06/1983	Hartley, J. L., et al.	09/06/1983	
	US-4,952,496	08/28/1990	Studier, F. W., et al.	12/29/1986	
	US-5,179,015	01/12/1993	Wilson, G. G., et al.	07/23/1990	
	US-5,200,333	04/06/1993	Wilson, G. G.	03/19/1991	
	US-5,320,957	06/14/1994	Brooks, J. E., et al.	08/11/1992	
	US-5,366,882	11/22/1994	Lunnen, K. D., et al.	12/17/1993	
	US-5,370,957	12/06/1994	Nishikiori, T., et al.	06/15/1993	
	US-5,460,941	10/24/1995	Camerini-Otero, Rafael D., et al.	07/12/1993	
	US-5,498,535	03/12/1996	Fomenkov, A., et al.	05/24/1994	
	US-5,637,476	06/10/1997	Van Cott, E. M.	04/21/1993	
	US-5,663,067	09/02/1997	Xu, SY., et al.	07/11/1996	
	US-5,693,489	12/02/1997	Studier, F. W., et al.	06/14/1994	
	US-5,707,811	01/13/1998	Ferrin, L. J., et al.	07/17/1996	
	US-5,731,411	03/24/1998	Voloshin, O., et al.	06/07/1995	
	US-5,830,731	11/03/1998	Seed, B., et al.	05/21/1997	
	US-5,851,808	12/22/1998	Elledge, S. J., et al.	02/28/1997	
	US-5,869,320	02/09/1999	Studier, F. W., et al.	01/15/1997	
	US-5,910,438	06/08/1999	Bernard, P., et al.	07/20/1995	
	US-6,187,589	02/13/2001	Bertling, w.	12/18/1997	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T²		
	EP-437100B1	12/13/1995	Vancott, E. M., et al.			
	EP-951539A1	10/27/1999	Bertling, W., et al.			
	WO-00/12687A1	03/09/2000	Miles, D. J., et al.			
	WO-96/01313A1	01/18/1996	Bujard, H., et al.			
	WO-98/58067A1	12/23/1998	Seed, John, et al.			

DATE CONSIDERED EXAMINER

PTO/S8/08A(10-01)
Approved for use through 10/31/2002. OMB 851-0031
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE
for the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/702,228 **Application Number** STATEMENT BY APPLICANT (Use as many sheets as necessary) Filing Date November 5, 2003 Slater, Michael **First Named Inventor Group Art Unit** 1653 Unknown **Examiner Name** Attorney Docket No: 341.030US1

Sheet 2 of 2

	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		"BL21-Al™ One Shot (r) Chemically Competent E. coli", Catalog No. C6070-03	
		(Version B),(October 7, 2002),19 Pages	
	•	"Creator™ DNA Cloning Kit User Manual", Protocol #PT3460-1, Version # PR	
	•	17851 (July 13, 2001), pgs. 3, 4, 20, 21 and 22	
		"Gateway™ Gateway Cloning Technology", Instruction Manual, published by	
UK.		Life Technologies, (Published before October, 2003), 57 Pages	
		"pBAD-DEST49 Gateway™ Vector", Instruction Manual - Catalog No. 12283-	:
		016 (Version C), published by Invitrogen Life Technologies,(August 13, 2002), 30 Pages	
		BERGER, S. L., "Prospective - Expanding the Potential of Restriction	
		Endonucleases: Use of Hapaxoterministic Enzymes", <u>Analytical Biochemistry</u> , <u>222</u> , (1994),1-8	
		DEYEV, S. M., et al., "Ribonuclease-Charged Vector for Facile Direct Cloning	
,	•	With Positive Selection", Mol Gen Genet, (1998),379-382	
-		KOOB, M., et al., "Cleaving Yeast and <i>Escherichia coli</i> Genomes at a Single Site", Reports, (1990),271-273	
		KOOB, M., et al., "Conferring Operator Specificity on Restriction Endonucleases", Science, 241, (1988),1084-1086	
		KOOB, M., et al., "RecA-AC: Single-Site Cleavage of Plasmids and	
		Chromosomes at any Predetermined Restriction Site", Nucleic Acids Research,	
		20(21), (1992),5831-5836 SCHOENFELD, T., "RecA Cleavage and Protection for Genomic Mapping and	
		Subcloning", http://www.promega.com/pnotes/50/2883e/2883e.html, (Observed	
		on August 13, 2002),7 Pages	
 	-	SCHOENFELD, T., et al., "Simplified Protocols for Using RecA Cleavage and	1
		Protection to Target Restriction Enzyme Action",	
l -,		http://www.promega.com/pnotes/50/2883m2/2883m2.html, (Observed on August	
		13, 2002,7 Pages	
		SZOMOLANYI, E., et al., "Cloning the Modification Methylase Gene of Bacillus	
	•	sphaericus R in Escherichia coli", Gene, 10, (1980),219-225	
		YAZYNIN, S., et al., "A New Phagemid Vector for Positive Selection of	
		Recombinants Based on a Conditionally Lethal Barnase Gene", FEBS Letters,	-
		<u>452,</u> (1999),351-354	
		YAZYNIN, S. A., et al., "A Plasmid Vector with Positive Selection and Directional	
		Cloning Based on a Conditionally Lethal Gene", Gene, 169, (1996),131-132	<u> </u>

DATE CONSIDERED EXAMINER